

ABSTRACT

It is intended to provide a method of diagnosing infection with Chagas disease by screening a trypanocidal drugs for 5 *Trypanosoma cruzi* which is the pathogen of Chagas disease. Using a flavin protein TcOYE specific to *Trypanosoma cruzi*, a trypanocidal drugs effective against *Trypanosoma cruzi* is screened. Using the gene sequence of TcOYE and an antibody therefor, infection with *Trypanosoma cruzi* is diagnosed.